KORUS-AQ (HL 5200) - Other: B-200 (Hanseo University) 05/22/16 Science

Aircraft:
Other: B-200 (Hanseo University)
Date:
Sunday, May 22, 2016
Mission:
KORUS-AQ (HL 5200)
Mission Location:
Osan Air base
Mission Summary:

May 22th morning

Took off at 0845 . Weather was 5 miles vis n very heize. there is sea fog at just over the water. we climbed 2,000ft due to avoid terrain then descent 1,000 ft over the water. first leg maitained 1,000 ft then second leg was 500ft. wind from east not very strong. landed at 1156

Today flight was to see power plant effect.

In first flight, we flew along the power plant upwind area. we can see two peak of about 30ppb and 15ppb of HCHO. It looks like we capture two of power plant flume. Averaging concentration of HCHO was about 4~5ppb.

May 22th afternoon
Departed 1358. Weather was almost same with morninig condition. Afternoon's route is lilttle different with morning due to concentrate for near powerplant area. wind was not strong as like a morining but direction was change to from eastsouth bound. landed at 1728.

In second flight, we also flew similar pattern(more lag). we can see two peak of about 10ppb and 9ppb of HCHO. We though the higher PBL made more mixing of HCHO than first flight. Averaging concentration of HCHO was about 3~4ppb.

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